

A NEW SPECIES OF *PERYMENIUM* (ASTERACEAE - HELIANTHEAE)
FROM TAMAULIPAS, MEXICO

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ABSTRACT

A new species, *Perymenium yanezii* B. Turner, is described from northeastern México. It is closely related to *P. hintoniiorum* and *P. tamaulipense*, both from the same region, but differs from these in possessing subelliptic, nearly entire, leaves with densely strigillose undersurfaces.

KEY WORDS: Asteraceae, *Perymenium*, México

Routine identification of Mexican Asteraceae has revealed the following novelty.

Perymenium yanezii B. Turner, *sp. nov.* TYPE: MEXICO. Tamaulipas: Mpio. de Tula, "ejido Ricardo García O Lapresita km 66 carr. Victoria-Tula ... vegetación secundaria en un Cerro Quemado. Veg. Original: Bosque de Pinos.", ca. 1550 m, 19 Oct 1985, *Manuel Yanez 616* (HOLOTYPE: TEX).

Perymenio mendezii DC. var. *angustifolio* (Brandeg.) Fay similis sed differt habitu herbaceo sulfruticoso usque ad 1 m alto (vs. fruticoso vel fruticulosus 1-2 m alto) et foliis fere integris majoribus (ad medium caulium plerumque 5-6 longis vs. 2-5 cm) ac ellipticis-ovatis ad medium latissimisque (vs. ovatis ad basim latissimisque).

Perennial suffruticose herbs to 1 m high. Stems rounded to somewhat 4 sided, sparsely appressed strigose. Leaves mostly opposite (becoming alternate at the capitulescence), 4-6 cm long, 2-3 cm wide; petioles strigose, 3-6 mm long; blades ovate-elliptic, somewhat bicolored, widest at or near the middle, sparsely strigose above, densely and evenly white strigose beneath, trinervate

from just above the obtuse base, the margins entire or nearly so. Heads 10-15 to a stem, arranged in paniculate cymes (not at all subfasciculate), the ultimate peduncles strigose, mostly 1-3 cm long. Involucres campanulate, 6-10 mm wide (in fruit), ca. 5 mm high, the bracts broadly ovate, 2-3 seriate, graduate, strigillose, grading into the receptacular chaff, the interior bracts acute, inconspicuously ciliate if at all. Receptacular bracts linear-lanceolate, scarious, the medial nerve extending into a short mucro. Ray florets pistillate, fertile, the rays ca. 8, the ligules yellow, 3-5 mm long, 2-3 mm wide. Disc florets 30-40, the corollas yellow, 4-5 mm long, the tube ca. 1 mm long, the lobes ca. 0.5 mm long. Achenes ca. 3 mm long, ca. 2 mm wide, hispidulous; pappus of 15-20 readily deciduous setae, 0.5-3.0 mm long.

This species superficially resembles *Perymenium mendezii* var. *angustifolium* from southern Puebla and closely adjacent Oaxaca but differs in being a suffruticose herb having larger, nearly entire, leaves which are densely and evenly strigose beneath. *Perymenium yanezii* actually appears closest to the recently described *P. hintoniiorum* B. Turner (Phytologia 71:315. 1991.) and *P. tamaulipense* B. Turner (Phytologia 63:396. 1987.), both of the latter being suffruticose herbs 40-100 cm high. *Perymenium yanezii* differs from *P. hintoniiorum* and *P. tamaulipense* in having ovate-elliptic, nearly entire, leaves which are densely and evenly strigose beneath (vs. hispidulous with coarse erect hairs).

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